

Practitioner's Docket N . MPI01-019P1RNM

Serial No. 10/074,547

IN THE CLAIMS

1. (Currently Amended) An isolated nucleic acid molecule selected from the group consisting of:

- a) a nucleic acid molecule comprising a nucleotide sequence of SEQ ID NO:1, or SEQ ID NO:3;
- b) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2;
- c) a nucleic acid molecule which encodes a fragment of a polypeptide comprising the amino acid sequence of SEQ ID NO:2, wherein the fragment comprises at least 120 contiguous amino acids of SEQ ID NO: 2; and
- d) a nucleic acid molecule which encodes a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:2, wherein the nucleic acid molecule hybridizes to a nucleic acid molecule comprising SEQ ID NO: 1, 3, or a complement thereof, under stringent conditions; and
- e) a nucleic acid molecule which encodes the MCT domain (amino acids 40 to 477 of SEQ ID NO:2) of 25466.

2. (Original) The isolated nucleic acid molecule of claim 1, which is selected from the group consisting of:

- a) a nucleic acid comprising the nucleotide sequence of SEQ ID NO: 1, SEQ ID NO:3; and
- b) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2.

3. (Original) The nucleic acid molecule of claim 1 further comprising vector nucleic acid sequences.

4. (Original) The nucleic acid molecule of claim 1 further comprising nucleic acid sequences encoding a heterologous polypeptide.

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5. (Original) A host cell which contains the nucleic acid molecule of claim 1.
6. (Original) The host cell of claim 5 which is a mammalian host cell.
7. (Original) A non-human mammalian host cell containing the nucleic acid molecule of claim 1.
8. - 11. (Withdrawn)
12. (Currently Amended) A method for producing a polypeptide selected from the group consisting of:
  - a) a polypeptide comprising the amino acid sequence of SEQ ID NO:2;
  - b) a polypeptide comprising a fragment of the amino acid sequence of SEQ ID NO:2, wherein the fragment comprises at least 120 contiguous amino acids of SEQ ID NO:2; and
  - c) a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:2, wherein the polypeptide is encoded by a nucleic acid molecule which hybridizes to a nucleic acid molecule comprising SEQ ID NO:1, SEQ ID NO:3, or a complement thereof under stringent conditions; and
  - d) a polypeptide comprising the MCT domain (amino acids 40 to 477 of SEQ ID NO:2) of 25466;  
comprising culturing the host cell of claim 5 under conditions in which the nucleic acid molecule is expressed.
13. - 22. (Withdrawn)
23. (New) A host cell which expresses the nucleic acid molecule of claim 1.
24. (New) The host cell of claim 23 which is a mammalian host cell.
25. (New) An isolated nucleic acid molecule, consisting of a nucleic acid sequence selected from the group consisting of:

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- a) SEQ ID NO: 1;
- b) SEQ ID NO:3; and
- c) a nucleic acid molecule which encodes a polypeptide having an amino acid sequence consisting of SEQ ID NO:2.